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### **Erratum: "Influence of random roughness on cantilever curvature sensitivity" [Appl. Phys. Lett. 96, 041912 (2010)]**

Ergincan, O.; Palasantzas, G.; Kooi, B. J.

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# Erratum: “Influence of random roughness on cantilever curvature sensitivity” [Appl. Phys. Lett. 96, 041912 (2010)]

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Due to error Figs. 2 and 3 (and captions) shown in the published paper are not the correct ones. Results, discussion, and conclusions of the paper remain unaltered by this correction.

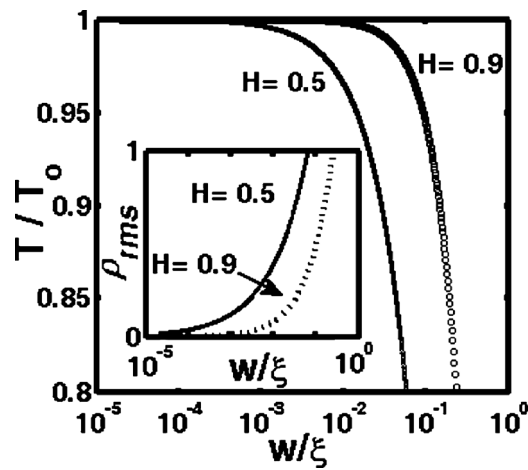


FIG. 2. Cantilever sensitivity  $T/T_0$  as a function of long wavelength roughness ratio  $w/\xi$  for  $w=1$  nm, different roughness exponents  $H$ , and Poisson ratio  $\nu^L=0.18$  [corresponding to Si(111)]. The inset shows the dependence of the average local surface slope on the roughness ratio  $w/\xi$  for different roughness exponents  $H$ .

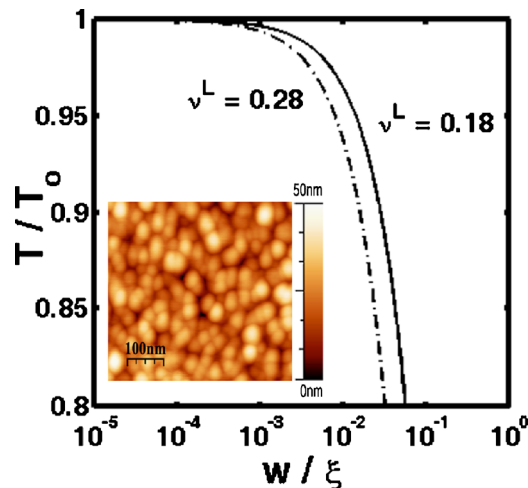


FIG. 3. (Color online) Cantilever sensitivity  $T/T_0$  as a function of long wavelength roughness ratio  $w/\xi$  for  $w=1$  nm,  $H=0.5$ , and two different Poisson ratios,  $\nu^L=0.18$  [corresponding to Si(111)] and  $\nu^L=0.28$  [corresponding to Si(100)]. The inset shows a typical gold rough surface deposited onto Si with  $H=0.9$ ,  $w=7$  nm, and  $\xi=30$  nm yielding  $w/\xi=0.23$ .

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